

Association des vapeurs d'acide fluorhydrique et  
chaleur de leur formation, by V. A. Medvedev,  
8 pp.

RUSSIAN to FRENCH, per, Zhur Fiz Khim SSSR,  
Vol XXVII, No 6, 1963, pp 1403-1406.

Reverse Translation  
CEA-R-1759

Sci  
Oct 64

SEE SOME ASPECTS OF THE CURRENT STATUS OF THE FUEL  
CELL PROBLEM, BY O. K. DAVTYAN, 12 PP

RUSSIAN, PER, ZHUR FIZ KHM, VOL XXXVII, NO 9, 1963,  
PP 1949-1957.

JPRS 22148

SCI-FUELS & PROPULSION

DEC 63

243,X016

Studies on the Deflagration-to-Detonation Transition of Explosives, by K. K. Andreyev, V. V. Gorbulov.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, No 9, 1963,  
pp 1958-1965.

\*Navy/APL J342

Sci - Engr  
Mar 64

Ksenzhet, O. S.  
TRANSIENT PROCESSES IN THE CHARGING OF  
POROUS ELECTRODES. 15 Nov 63 [9p] 9refs  
Order from OTS, SLA, or ETC \$1.10 TT-64-10714  
Trans. of #Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR)  
1963, v. 37 [no. 9] p. 2007-2011.

TT-64-10714

L Ksenzhet, O. S.

(Chemistry--Physical, TT, v. 11, no. 12)

Office of Technical Services

Karapet'yants, M. Kh. and Yan, K. H.  
THE TEMPERATURE DEPENDENCE OF THE VISCOSITY OF n-ALKANES. 30 Oct 63, 12p 12refs  
Order from OTS, SLA, or ETC \$1.60 TT-64-10713

Trans. of *Zh[urnal] Fiz[icheskoi] Khim[ii]* (USSR) 1963,  
v. 37 [no. 9] p. 2041-2047.

TT-64-10713

L Karapet'yants, M. Kh.  
IL Yan, K. H.

(Chemistry--Physical, TT, v. 11, no. 12)

Office of Technical Services

Chronicle. II. All-Union Conference on Calorimetry.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, 1963,  
pp 2379-2387. 9 2 2 2 66 2  
AEC-ANL-Tr-4

Sci-Phys  
Jun 64

260,921 925

The Preparation of Metallic Catalysts in the Form  
of Films Condensed in Vacuum on a Finely Dispersed  
Carrier, by G.K. Boreskov, A.I. Gorbunov. 8 pp.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 37,  
No 12, 1963, pp 2728-2733.

ATS-06R76R

Sci/Chemistry  
Jul 66

307  
306,202

Photocatalytic Synthesis of Amino-Acids,  
by L. A. Nikolayev, O. N. Agapova, 7 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, 1963,  
pp 2746-2748.  
AEC-ORNL-Tr-215

Sci-Phys  
Dec 64

269,943

Density and Viscosity of Nitrogen Tetroxides  
Solutions in 70% Nitric Acid, by M. M. Karavayev,  
V. A. Zhatalay, 5 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, No 12,  
1963, pp 2771-2773. 9696137  
FTD-TT-64-879

Sci - Chem  
Mar 65

276,921

Investigation of Common Oxidation Kinetics  
of Cumene with Ethylbenzene. I. Ratios of  
the Elementary Reaction Rate Constants,  
by V. F. Tsepalov, V. Ya. Shlyapintokh,  
Pei-khuan Chnh, 9 pp.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 38, No 1, 1964, pp 52-56.  
SIA TT-65-10204

336,228

6-4

Isotope Exchange of Oxygen in the Systems  
 $\text{WO}_3-\text{O}_2$  and  $\text{Na}_2\text{W}_4\text{O}_1_3-\text{O}_2$ , by V. G. Finikov.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, 1964,  
pp 542-546. 9232287  
AEC-IS-Tr-27

Sci - Chem  
iar 66

298,502

Dependence of the Heats of Formation of Hafnium Carbide on Composition, by V. I. Zhelankin,  
V. S. Kutsev, 5 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, No 3,  
1964, pp 562-564. 9224899  
AEC-LA-Tr-64-9

Sci-Chem  
Nov 64

268,536

Dissociation of Carbon dioxide in Silent Electric  
Discharge, by Yu. P. Andreyev, et al.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, No 3,  
1964, pp 794-797.  
J. Moroncow  
5250 Clairemont Mesa Blvd.  
San Diego, California 92117

Sci - Elec/Eng  
Sep 66 308,384

Mechanism of Dissociation of Metal Pthalocyanines, by B. D. Berezin,  
RUSSIAN, per, Zhurnal fiz. Khim., Vol XXXVIII,  
No 4, 1964, pp 850-857.  
ATS RJ-4659

PT 341706

Sci-Pphys  
Apr 67

521,524

Installation For Pulse Measurements  
in Electrochemical Investigations,  
by V. A. Tyagai, Yu. V. Pleskov.  
RUSSIAN, per, Zhurnal Fizicheskoy  
Khimii, Vol 38, No 3, 1964, pp 2111-2113.  
\*NASA TT F-11,722

Sci/Phys  
Oct 68

The Behavior of Small Amounts of Nitromethane in  
Aqueous Sulfuric and Hydrochloric Acid Solutions,  
by Yu. L. Khalkina, Kh. N. Kuura, et al, 11 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, No 4,  
1964, pp 863-870. 9226590  
AEC-ANL-Tr-96

Sci-Chem  
Jan 65

271,788

The Electrochemical Properties of Zirconyl Phosphate,  
Part II. The Relationship of Electroconductivity  
of Zirconyl Phosphate Samples and Their Compositions,  
by E. A. Materova  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 38,  
1964, pp 875-909  
NTC 71-16483-07D

mar 72

Calculation of the Statistical Sums for Diatomic  
Molecules Taking Into Account the Highly Excited  
Electron States, by R. I. Artym.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, No 7, 1964,  
pp 1734-1742.  
NASA TT F-9175

Sci-Phys  
Jan 65  
U.S. GOVERNMENT ONLY

270,892

NCH-200 638

Field 11F, TD

Burtseva, I. K.; Plotnikova, G. P.; Krasilshchikov, A. I.  
PASSIVITY AND INTERGRANULAR CORROSION OF  
STAINLESS STEEL IN NITRIC ACID: III, Nov 64, 14p,  
(foreign text included) 22refs. NLL-M.5615;  
INC-Trans-64/211.  
Order from NLL as M.5615

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v38 n8  
p1956-62 1964.

I. International Nickel Co.  
(Mond) Ltd.,  
(London) (England)

TT-65-13425                    Field TD

Biryukov, V. V.; Kafarov, V. V.  
THE APPLICATION OF ANALOG COMPUTERS TO  
REACTION KINETICS STUDIES. 8p, 14refs.  
Order from SLA: \$1.10 as TT-65-13425

Trans. of Zhurnal Fizicheskoi Khimii (USSR)  
v38 n8 p2023-9 1964.  
See also 'Translated or Abstracted Publications,'  
in TT Vol. 14, No. 8.

MR 655

Apparatus for Pulse Measurements in Electro-  
chemical Investigations, by V. A. Tyagni,  
Yu. V. Pleskov.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimi,  
Vol 38, No 8, 1964, pp 2111-2113.  
NASA TT F-11,772

Sci  
Dec 68

371,161

NBS S-465338-68-D

R-9305-D

28 Mar 68

Zhurnal fizicheskoi Khimii v 28, No 9, P 1690-1697, 1964

Author: ZHUK, N. P.

( 7 pp )

Russian - est for wds:

Please translate and type 1 original copy only.  
Document can be cut.

Thermodynamic Constants of Difficultly Soluble  
Sulfates, Carbonates, Chromates, bromates,  
Iodates, oxalates and other Metal Salts, by  
N. P. Zhuk, 10 pp.  
RUSSIA, per, Zhurnal Fizicheskoi Khimii SSSR,  
Vol 28, No 9, 1964.  
Dept of Commerce  
Nat Bureau of Standards

sci-hys  
Sep 68

367,276

Equilibrium in the System Graphite-Hydrogen at  
High Temperatures and Elevated Pressures, by  
A. V. Yevleva, 16 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, 1964,  
pp 2380-2386. 922850  
AEC-LA-TR-65-3

Sci-Phys  
Jun 65

281,081

Evolution of Gaseous Products in the Oxidation of  
Aluminum and Structural Transformations of the  
Oxide Film, by Yu. I. Petrov, S. Sh. Bihlisevili.  
RUSSIAN, per. Zhur Fiz Khim, Vol XXXVIII, No 11,  
1964, pp 2614-2625.

\*AEC

Sci-Phys  
Jul 65

TT-65-13423                    Field 7D

Knorre, V. G.; Kozlov, G. I.  
KINETICS AND MECHANISM OF THE THERMAL  
DECOMPOSITION OF ETHANE. 9p, 14refs.  
Order from SLA: \$1.10 as TT-65-13423

Trans. of Zhurnal Fizicheskoi Khimii (USSR)  
v38 n11 p2633-9 1964.  
See also 'Translated or Abstracted Publications,'  
in TT Vol. 14, No. 8.

MR 655

NCH-201 510

Field 11F, 9C

Kulikov, L. N.

THE DEPENDENCE OF THE CONTACT RESISTANCE OF  
PALLADIUM ELECTROLYTE, May 65, 6p (foreign text  
included) 1ref. INC-Trans-65/121; NLL-M.5697.  
Order from NLL as M.5697

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v38 n11  
p2662-3 1964.  
See also 'Translated or Abstracted Publications' in  
TT Vol. 14, No. 8,

NLL 5628.4 1965 (5697)

I. International Nickel Co.  
(Mond) Ltd.,  
London (England)

Compounds of Phosphorus and Manganese, by S. P.  
Shemtshushny, N. N. Efremov, 9 pp.

RUSSIAN, per, Zhur Fiz Khim Obsh, Vol XXXIX, 1905,  
pp 777-787.

SIA/R-2540

Sci  
Apr 59

84, 432

Allotropic Modifications and Solid Solutions of Phosphorus, by V. I. Nikolayev, 8 pp.

RUSSIAN, per, Zhur Fiz Khim Obshchestra, Vol LX, 1928, pp 1045-1051.

SLA/R-2593

Sci  
Apr 59

84, 887

Nitrides, by S. A. Voznesekiy, 6 pp.

RUSSIAN, per, Zhur Fiz Khim Obshchestra, Vol LXI,  
1929, pp 1323-1326,

SLA/R-2596

Sci  
Apr 59

\*AEC

84,909

Derygin, B.

ON THE DAMPING AND DISPERSION OF SEISMIC  
WAVES. [1962] 20p. 26 refs.  
Order from OTS or SLA \$1.60

62-20298

Trans. of Zhurnal Geofiziki (USSR) 1931, v. 1,  
p. 207-222.

DESCRIPTORS: \*Seismic waves, Damping, Propagation.

A theory of seismic-wave propagation is developed on  
the basis of Boltzmann's theory of elastic post-action.  
The theory leads to damping and dispersion of seismic  
waves, in agreement with observation. In the conclusion  
an application of the principle of conservation of  
momentum to pulse propagation, is given. (Author)

(Earth Sciences--Seismology, TT, v. 9, no. 12)

62-20298

I. Title: Dispersion  
I. Derygin, B.

Office of Technical Services

A Study of the Optical Properties of the Atmosphere by the Photometric Method, by V. G. Fesenkov, 36 pp.

RUSSIAN, per, Zhur Geofiziki, Vol IV, no 2,  
1934, pp 143-164.

American Meteorol Soc For  
Geophysics Res Dir, AASTIA  
T-64 R U

33,886

Sci - Geophysics, Physics

May 1956

Cloudiness of Kislovodsk and of Sedlovaya Mountain  
in Relation to Tropospheric Air Masses, by  
A. I. Askemazi.

RUSSIAN, per, Zhur Geofiz, Vol IV, No 3, 1934.

HQ Air Weather Service, A-2, Technical  
Research Files Acc. 47.1015

Scientific - Geophysics

14,532

Synoptic Conditions of Glazed Frost in the European  
Part of the USSR., by E. S. Lir, UNCLASSIFIED

RUSSIAN, per, fix Zhur Geofiz i Met, Vol IV, No 1,  
1927, pp 24-37

Sci Tr Center  
RT 1120

Scientific - Geophysics

15-347

BAKOVETS'KIY, A. E.  
SHVALIN, K. N.

Sulfatization of Burat Copper Pyrites by the  
Action of Roasting Gas,

RUSSIAN, Zhur Khim Prom, Vol 1, 1925, pp 21 - 23.

Brutefax Tr 2823

36275

15

Manufacture of Nitric Oxide, by V. I. Malyarevskiy,  
10 pp.

RUSSIAN, per, Zhur Khim Prom, Vol II, 1926, pp  
478-482.

L  
SEA R-3363

<sup>c</sup>  
84

Aug 59

94, 146

Contribution to the Question of the Production of  
Ethylene Chloride, by E. A. Doroganevskaya, 12 pp.

RUSSIAN, per, Zhur Khim Prom.

Sci Tr Center  
RT-1578

Scientific - Chemistry

CTS/DEX

18, 784

Gebler, I. V.  
OVER DE SULFONERING VAN AROMATISCHE KOOL-WATERSTOFFEN MET POLYSULFAAT (Sulfonation of Aromatic Hydrocarbons by Means of Sodium Trihydrogen Sulfate) tr., by G. J. M. Fritschy. 8p. MTWL: 47. (text in Dutch). Order from OTS or ETC \$1.55 61-17665

Trans. of Zhurnal Khimicheskoi Promyshlennosti (USSR) 1926, v. 2, p. 984-986.

DESCRIPTORS: Sodium compounds, Sulfates, \*Hydrocarbons, \*Benzenes, \*Sulfonates.

61-17665

I. Gebler, I. V.  
II. MTWL-47  
III. Stichting Moeillijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

BEININSON, I. D.

R-2822, Determination of hydrogen sulfide in ammonia  
liquor. Zhur. Khim. Prom., 4, p.49, 1927. (2p.)

Acidimetric Determination of Pyrophosphoric Acid.  
by E. V. Britzke, S. S. Dragunov, 14 pp.

~~RUSSIAN~~, ~~Zhur Khim Prom, Vol IV, 1927, pp~~  
~~49-52~~

SLA R 2815

Sci

Jul 59

91, 396

Contact Oxidation of Ammonia to Nitric Oxide (I),  
by V. I. Milyarevskiy, 20 pp.

RUSSIAN, Ser, Zhur Khim, Prom, Vol IV, 1927, pp  
122-129.

SLA R-3049

Sci

Jul 59

92, 352

Colloidal System Rubber, Pigment Solvent. Problem  
of Technical Control of Materials and Processes in  
Rubber Technology, by M. Pavlenko and P. Nazarov,  
9 pp.

RUSSIAN, per, Zhur Khim Prom, Vol IV, 1927, pp  
642-650.

SLA Tr R-1125

Sci

Jul 58

67,962

Manufacture of Synthetic Nitric Acid from Nitrogen Oxides Under Pressure, by V. I. Malyarevskiy, V. V. Pashkov, 21 pp.

RUSSIAN, per, Zhur Khim Prom, Vol V, 1928, pp 682-689.

SLA R-3364

Sci

Aug 59

94, 147

Manufacture of Aluminum Sulfate From Clays, by  
I. E. Adadurov, 3 pp.

RUSSIAN, per, Zhur Khim Prom, Vol V, 1928,  
pp 941-942.

SLA R-2795

Sci

Jul 59

92,575

The Preparation of Ethylene Chlorohydrin,  
by E. A. Shilov, UNCL

RUSSIAN, per, Zhur Khim Prom, Vol V, 1928,  
pp 1273-1276.

DSIR RU M.1205

(loan)

Sci - Chem

Feb 60

108 392

The Use of Regional Phosphorites in the Production  
of Concentrated Phosphates, by S. K. Voskresenskiy,  
S. K. Milovanova, 8 pp.

RUSSIAN, per, Izmer Khim Prom, Vol 4VI, 1929, pp  
3-7.

SLA R-3345

Sci

Aug 59

94,168.

New Operating Method for the Manufacture of Nitric Acid by the Ammonia Oxidation Process, by I. M. Libinson, 12 pp.

RUSSIAN, Oper, Zhur Khim Prom, Vol VI, 1929, pp 8-12.

SLA R-2907

Sci

Jul 59

92, 611

The Chlorination of Acetic Acid, by S. A.  
Shilov.

RUSSIAN. ser., Zhur Khim Prom, Vol VI,  
1934, pp 228-246.

CSIRO

Sci - Chem  
May 62

198,499

Ammonium Sulfate from Phosphogypsum, by  
S. I. Volkovich, A. A. Sokolovskiy and  
L. M. Gurevich, 15 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VI, No  
23-24, 1929, pp 1721-1731.

SLA R-2192

Sci

Aug 58

72,453

Preparation of <sup>0</sup>Tetrachloroethane and Trichloroethylene (On the Problem of Utilisation of Surplus Chlorine in Industry), by S. Y. M. Miloslavsky, I. Y. Postovsky.

RUSSIAN, per, Zhur Khim Prom, No 7, 1930, pp  
1414-1419.

INSDOC-T2156

Sci - Chem

Jun 59

89,560

Manufacture of Lithium Carbonate from the  
Lepidolites of USSR, by E. S. Burkser, I. S.  
Shtokman and A. M. Bauman, 6 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VI, 1930,  
pp 1436-1438.

SLA R-2179

Sci

Aug 58

72,404

Semiplant-Scale Experiments on Acid Conversion of Phosphorite, by S. I. Volkovich and A. A. Sokolovskiy, 10 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VII, 1930,  
pp 34-38.

SLA R-2206

Sci

72, 45-2

Aug 58

Preparation of Double and  $\frac{4}{3}$  Enriched SuperPhosphate  
from Low-Grade Phosphorites in a Tubular Chamber, by  
S. I. Volkovich, 15 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VIII, No 13, 1931,  
pp 1-11.

SLA R-2819

Sci

Jul 59

92, 642

The Effect of Water Vapor on the Solubility of  
Calcium Metaphosphate, by S. S. Dragunov, 11 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VIII, No 13  
1931, pp 11-15.

SLA R-2818  
ATS/RJ - 2552

Sci

Jul 59

92,587

The Problem of Thermal Formation of Phosphoric Acid and Phosphates, by A. P. Danayev, 11 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VIII, No 14, 1931,  
pp 35-38.

SLA R-3367

Sci

Aug 59

94-115

Process for the Synthesis of Urea, by  
B. Levi, 10 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VIII,  
1931, No 15/16, pp 36-40.

SLA R-2428

Sci

Aug 58

72,148

The Boiling Points of Saturated Solutions in the System  $(K, NH_4)(NO_3, Cl)$ , by S. I. Aronova, Z. N. Lunskaya, 12 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VIII, No 18, 1931,  
pp 23-27.

SLA R-2797

Sci

Jul 59

92, 382

Concerning the Theory of Lowig's Process, by V. I.  
Sokolov, 10 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VIII, 1931,  
pp 248-252.

S.L.A. Tr No R-302

Sci - Chemistry, inorganic  
Apr 57

46, 866

The Production of Tetrachloroethane and Trichloroethylene, by M. Y. Kraft, B. A. Alekseyev.

RUSSIAN, per, Zhur Khim Prom, Vol VIII, 1931,  
pp 861-863.

IHSDOC-T2157

Sci - Chem

Jun 59

89, 551

The Preparation of Dicalcium Phosphate from  
Phosphorite, by S. S. Perelmann, I. N. Nikonova,  
10 pp.

RUSSIAN, per, Zhur Khim Prom, No 12, 1932, pp 21-24.

SLA R-2997

Sci

Jul 59

92, 616

The Production of a Complex Fertilizer Composed of  
Urea and Ammonium Phosphate, by B. I. Levi, 16 pp

RUSSIAN, per, Zhur Khim Prom, No 8, 1932, pp  
38, 39.

SLA R-3890

Sci

Aug 59

94, 143

The Method of Production and Use of Acetone and  
n-Butylovo Spirta, by I. S. Gorbunov, I. S.  
Logotkin.

RUSSIAN, per, Zhur Khim Prom, Vol X, 1932,  
pp 53-66.

INSDCC T 2071

Sci  
Apr 59

84, 448

The Theory of Catalytic Oxidation of Ammonia on  
Platinum Gauze, by I. E. Adadurov, 12 pp.

RUSSIAN, per, Zhur Khim Prom, No 2, 1933, p.  
37-41.

SLA R-2598

Sci - Chem

Jun 59

89, 398

The Use of the Heat of Neutralization for Evaporation  
of Solutions of Ammonium Nitrate, by I. Krichevskiy,  
R. Itakovitch, 13 pp.

RUSSIAN, per, Zhur Khim Prom, No 3, 1933, pp 14-18.

SLA R-2812

Sci

SLA

Jul 59

92, 607

Rationalization of Blowing off in Systems for  
the Synthesis of Ammonia, by K. P. Pavlov, V.  
S. Garilov, 10 pp.

RUSSIAN, per, Zhur Khim Prom, No 3, 1933,  
pp 22-24.

SLA R-2597

Sci - Chem

Jun 59

89,566

Poisoning of Ammonia Catalysts by Hydrogen Sulfide  
and Phosphine, by V. P. Kamzolkin, A. V.  
Avdeev.

RUSSIAN, per, Zhur Khim Prom, No 7, 1933, pp  
32-35.

SLA R-3018

Sci

Jul 59

92,599

Decreasing the Degree of Hygroscopicity and Caking of Ammonium Nitrate, by I. Krichevskiy, L. Kantorovich, M. Bergauz, 17 pp.

RUSSIAN, per, Zhur Khim Prom, No 7, 1933,  
pp 41-47.

SLA R-2469

Sci .. Chem

Jun 59

89, 552

The Hygroscopicity and Caking of Ammonium Nitrate and Mixtures of Ammonium Nitrate and Ammonium Sulfate, by G. I. Gorshtain,  
22 pp.

RUSSIAN, per, Zhur Khim Prom, No 7, 1933,  
pp 47-56.

SLA R-2307

Sci - Aug 58

72,419

V Utilization of Pyrites Containing Carbon. B. The  
Utilization of Pyrites Containing Carbon in the  
Contact Systems, by S. Buikhovskiy.

RUSSIAN, per, Zhur Khim Prom, Vol X, No 8, 1933.

AEC Tr

16,736

Scientific - Chemistry      Nov 1949 CMS

The ~~Absorption~~ Absorption of Carbon Monoxide by ~~Solutions~~  
Solutions of Copper-ammonia Salts, by N. M.  
Zhavoronkov, P. M. Reschikov, ~~UNCLASSIFIED~~

RUSSIAN, per, Zhur Khim Prom, No 8, 1933,  
pp 41-49.

Assoc Tech Ser,  
RJ-77  
Price: \$35.50(\$4.60)

Scientific - Chemistry

18,093

SLA R-2091

The Partial Pressure of Water Vapor and Oxides  
of Nitrogen over a Solution of Nitrosylsulfuric  
Acid in Sulfuric Acid, by A. V. Tikhov<sup>nov</sup>, 7 pp.

RUSSIAN, per, Zhur Khim Prom, No 8, 1933, pp 58-  
60.

SLA R-2208

Sci

Aug 58

72, 215-

The Ammoniation of Double Superphosphate, by L. E.  
Berlin, L. Goritskaya, 13 pp.

RUSSIAN, per, Zhur Khim Prom, No 10, 1933, pp  
21-27.

SEA R-3291

Sci

Aug 59

94,099

The Preparation of Double Superphosphates From  
Apatite Concentrates and Phosphoric Acid, by  
L. E. Berlin, A. Antokhina, L. Vinokurova, L.  
Osharovich, A. Salova, 22 pp.

RUSSIAN, per, Zhur Khim Prom, No 10, 1933,  
pp 37-45.

SLA R-2641.

Sci - Chem

89,396

Jun 59

Oxidation of Phosphorous Acid at Elevated Temperatures and Pressures. IV, by I. N. Bushmanin, A. V. Frost, 11 pp.

RUSSIAN, per, Zhur Khim Prom, Vol VI, 1933, pp  
613-620.

SLA R-3351

Sci

Aug 59

93, 535

The Preparation of Combined Fertilizers by Fusing  
Ammonium Nitrate with Phosphate Precipitate.  
Ammonium Phosphate and Phosphorite Meal, by O. I.  
Gorshtein, O. G. Segalovich, 13 pp.

RUSSIAN, per, Zhur Khim Prom, No 4, 1934, pp  
60-65.

SLA R-3938

Sci

94, 131

Aug 59

Recovery of Fluorine-Containing Gases in the Super-phosphate Industry, by V. G. Timoshov, 22 pp.

RUSSIAN, per, Zhur Khim Prom, Vol I, 1934, pp  
66-72.

SLA R-3352

8ci

Aug 59

94,165

Removal of CO From Hydrogen and Hydrogen-Nitrogen Mixtures in the Synthesis of Ammonia, by  
N. F. Yushkevich.  
RUSSIAN, per, Zhur Khim Prom, No 5, 1934,  
pp ~~Index~~ 18-24.  
GB/39/HO 1908

Sci - Chem  
Jul 64

262,563

High Pressure Methanol Synthesis From Water Gas,  
by N. V. Volkstova, et al.

SUSPEN, per, Zhur Khim Prom, No 9, 1954,  
pp 24-32.

MLH 4801

Sci - Chem

207, 5769

Aug 62

The Synthesis of Urea from Ammonia and Carbon Dioxide, by B. A. Bolotov and A. N. Popova, 17 pp.

RUSSIAN, per, Zhur Khim Prom, No 9, 1934,  
pp 32-38.

SLA R-2284

Sci

Aug 58

72,402

The Synthesis of Urea from Ammonia and  
Carbon Dioxide, by B. I. Levi, 16 pp.

RUSSIAN, per, Zhur Khim Prom, No 9, 1934,  
pp 38-43.

SLA R-2285

Sci

Aug 58

72,432

The Conversion of Gypsum by Solutions of  
Ammonium Carbonate, S. Perel'man, and V.  
Rozler, 27 pp.

RUSSIAN, per, Zhur Khim Prom, No 1, 1935,  
pp 28-37.

SLA R-2201

Sci

Aug 58

72,437

<sup>w1</sup>  
The Ammoniation of Superphosphate in the USSR,  
by L. Berlin, 18 pp.

RUSSIAN, per, ~~Zem Khim Prom~~, No 1, 1935, pp  
37-44.

SLA R-3289

Sci

Aug 59

94, 098

The Preparation of Complex Fertilizers by Fusing  
Ammonium Nitrate with Calcium Carbonate, by G. I.  
Gorshstein, E. E. Khotinskaya, 11 pp.

RUSSIAN, per, Zhur Khim Prom, Vol XIII. 1935, pp  
134-139.

SLA R-2800

Sci

Jul 59

92,593

A Calcium Cyanamide Plant at ~~Mirgorod~~ Niagara Falls,  
by N. F. Yushkevich, 22 pp.

RUSSIAH, per, Zhur Khim Prom, Vol XII, No 3,  
1935, pp 259-265.

Sci Tr Center  
RT-1433

18, 895

~~Chemical~~  
Economic - Plant,

The Preparation of Cryolite from Fluorine Wastes in  
the Superphosphate Industry, by N. P. Pedot'ev,  
50 pp.

RUSSIAN, per, Zhur Khim Prom, Vol XII, 1935, pp 265-  
268.

SLA R-2938

Sci

Jul 59

92, 590

The Dehydration of Magnesium Chloride With Liquid Ammonia, by A. M. Monoszon, E. N. Guryanova, A. I. Shatenshtein, 7 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Khim Prom, Vol XII, 1935,  
pp 279-281.

AMERICAN  
AEC-Tr-1968

20.071

Scientific - Chemistry

Nov 54 CTS/DEX

The Theory and Technology of the Electrothermal Dis-tillation of Phosphorus from Phosphates, by K. Zegvordkin, 22 pp.

RUSSIAN, ref, Zhur Khim Prom, Vol XII, 1935, pp 597-603.

SLA R-2933

Sci

Jul 59

92,646

Preparation of Calcium Cyanamide by the Action  
of Ammonia and Carbon Monoxide on Calcium Oxide  
or Calcium Carbonate, by V. F. Postnikov,  
T. I. Kunin, N. A. Yeremeyev, 11 pp.

RUSSIAN, no per, Zhur Khim, Prom, Vol XII, No 8,  
1935, pp 795-802.

Sci Tr Center RT-2449

28,984

Scientific - Chemistry  
Dec 55 CTS/DEX

The Preparation of Cryolite from a Solution of Sodium Fluoride and Aluminum Fluoride and Aluminum Fluorine, by V. S. Yetlov, E. M. Korzon, 10 pp.

RUSSIAN, per, Zhur Khim Prom, Vol XII, 1935, pp  
1050-1054.

SIA R-2937

Sci

Jul 59

92, 645

Drying Superphosphate in Relation to Its Physical  
and Chemical Properties, by P. A. Barenov, P. A.  
Ruz'nov, 8 pp.

O

RUSSIAN, per, Zhur KhimProm, Vol XII, 1955, pp  
1054-1057.

SLA R-2816

Sci

Jul 59

92, 386

The Preparation of II Concentrated Fertilizers by  
Treating Phosphorite With Nitric Acid. III. A  
Laboratory Study of the Treatment of Izyum  
Phosphorite With Nitric Acid and Ammonia or  
Ammonium Carbonate, by G. I. Gorshtein, T. I.  
Khakharina, 12 pp.

RUSSIAN, per, Zhur Khim Prom, Vol XII, 1935,  
pp 1057-1061.

SLA R-2460

Sci - Chem

89, 405

Jun 59

The Reason for the Autoinflammability of Red  
Phosphorus Prepared by the Dry Method, by I. I.  
Kukushkin, A.A. Korinetskiy, 24 pp.

RUSSIAN, er, Zhur Khim Prom, Vol XII, 1935,  
pp1240-1249.

SLA R-2806

Sci

Jul 59

92, 345

Production of Phosphoric Acid, by  
A. A. Sokolovskiy.

RUSSIAN, per, Zhur Khim Prom, Vol XIII,  
No 2, 1936, pp 92-102.

Assoc Tech Sv RJ-265

\$19.95

SLA R-2464

Scientific - Chemistry  
CTB 73/Oct 1955

27,723

The Explosiveness of Fertilizers Containing Ammonium Nitrate, by N. S. Torsuyev, 7 pp.

RUSSIAN, per, Zhur Khim Prom, Vol XIII, 1936,  
pp 102-104.

SLA R-2478

Sci - Chem

Jun 59

89,587

A Nickel Catalyst for the Purification of Hydrogen-<sup>3</sup>..  
Nitrogen Mixtures Containing Carbon Monoxide, by S.N.  
Kazernovskiy, T. N. Efremova, 18 pp.

RUSSIAH, per, Zhur Khim Prom, Vol XIII, 1936, pp  
215-220.

R-2794  
SLA

Sci

Jul59

92, 603

Solvay Process Based on Mirabilite, by A. P.  
Belopol'skiy.

RUSSIAN, per, Zhurnal Khimicheskoi Promyshlennosti,  
Vol XIII, No 5, 1936, pp 262-265.

Inadoc  
National Physical Laboratory  
of India,  
Hillside Road,  
New Delhi-12, India

36,149

Chemistry

Jun 56 CTS

Pressure of Nitric Acid and Ammonia Vapors Over  
Water Solutions of Ammonium Nitrate, 8 pp.

by V. A. Klevke, Ya. D. Khaskina,  
RUSSIAN, no per, Zhur Khim Prom, Vol XIII, No 7,  
1936, pp 408-411.

Sci Trans Center RT 3606

Scientific - Chemistry

36,142

JUN 56 CTS

S. L. R. 6-1967

Obtaining Ammophos Phosphoric Acid Made  
from Vyatka Flotation Phosphorite, by N.  
I. Kravchikov, 8 pp.

RUSSIAN, per, Zhur Khim Prom, Vol XIII, 1936,  
pp 466-469.

SLA R-2413

Sci

Aug 58

72,478